

## Author Index

- Abbas, M.N.  
— and Mostafa, G.A.E.  
New triiodomercurate-modified carbon paste electrode for the potentiometric determination of mercury 329
- Adhoum, N.  
—, Monser, L., Sadok, S., El-Abed, A., Greenway, G.M. and Uglow, R.F.  
Flow injection potentiometric detection of trimethylamine in seafood using tungsten oxide electrode 53
- Agnoli, F., see Mazzocchin, G.A. 147
- Ahlgrén, M., see Latva, S. 229
- Almansa-López, E., see Cuadros-Rodríguez, L. 281
- Andrews, J.M., see He, L.M. 245
- Anfossi, L., see Giovannoli, C. 271
- Antonia Palacios, M., see Moldovan, M. 209
- Ariese, F., see Hirata, J. 1
- Azeredo, R.B.V.  
—, Colnago, L.A., Souza, A.A. and Engelsberg, M.  
Continuous wave free precession. Practical analytical tool for low-resolution nuclear magnetic resonance measurements 313
- Baggiani, C., see Giovannoli, C. 271
- Barrett, D.A., see Zhu, X. 259
- Biju, V.M.  
—, Mary Gladis, J. and Prasada Rao, T.  
Ion imprinted polymer particles: synthesis, characterization and dysprosium ion uptake properties suitable for analytical applications 43
- Bruckner-Lea, C.J., see Grate, J.W. 85
- Cao, Y., see Liu, B. 59
- Casella, I.G.  
— and Contursi, M.  
Isocratic ion chromatographic determination of underivatized amino acids by electrochemical detection 179
- Chandler, D.P., see Grate, J.W. 85
- Chang, W., see Cheng, Z. 129
- Chaniotakis, N.A., see Fouskaki, M. 77
- Chen, D., see Liu, B. 59
- Chen, H.  
—, Zhou, M., Jin, X., Song, Y., Zhang, Z. and Ma, Y.  
Chemiluminescence determination of ultramicro DNA with a flow-injection method 31
- Cheng, Z.  
—, Li, Y. and Chang, W.  
Kinetic deoxyribose degradation assay and its application in assessing the antioxidant activities of phenolic compounds in a Fenton-type reaction system 129
- Colnago, L.A., see Azeredo, R.B.V. 313
- Colpo, I., see Mazzocchin, G.A. 147
- Contursi, M., see Casella, I.G. 179
- Cuadros-Rodríguez, L.  
—, García-Campaña, A.M., Almansa-López, E., Egea-González, F.J., Lourdes Castro Cano, M., Garrido Frenich, A. and Martínez-Vidal, J.L.  
Correction function on biased results due to matrix effects. Application to the routine analysis of pesticide residues 281
- Davidson, C.M., see Mossop, K.F. 111
- Davison, W., see Peters, A.J. 237
- Deng, J., see Liu, B. 59
- Dolci, M., see Giovannoli, C. 271
- Egea-González, F.J., see Cuadros-Rodríguez, L. 281
- El-Abed, A., see Adhoum, N. 53
- Engelsberg, M., see Azeredo, R.B.V. 313
- Evmiridis, N.P., see Yao, D. 23
- Fouskaki, M.  
—, Sotiropoulou, S., Kočí, M. and Chaniotakis, N.A.  
Morpholinoethanesulfonic acid-based buffer system for improved detection limit and stability of the fluoride ion selective electrode 77
- Gamez, G., see Parsons, J.G. 139
- García-Campaña, A.M., see Cuadros-Rodríguez, L. 281
- Gardea-Torresdey, J.L., see Parsons, J.G. 139
- Garrido Frenich, A., see Cuadros-Rodríguez, L. 281
- Giovannoli, C.  
—, Giraudi, G., Baggiani, C., Tozzi, C., Anfossi, L. and Dolci, M.  
Determination of the insecticide fenoxycarb in apple leaf samples by an enzyme-linked immunosorbent assay 271
- Giraudi, G., see Giovannoli, C. 271
- Gong, H., see Yang, X. 67
- Gooijer, C., see Hirata, J. 1

- Grate, J.W.  
—, Bruckner-Lea, C.J., Jarrell, A.E. and Chandler, D.P.  
Automated sample preparation method for suspension arrays using renewable surface separations with multiplexed flow cytometry fluorescence detection 85  
Greenway, G.M., see Adhoum, N. 53
- Haddad, P.R., see Wu, X. 191
- He, L.M.  
—, Kear-Padilla, L.L., Lieberman, S.H. and Andrews, J.M.  
Rapid in situ determination of total oil concentration in water using ultraviolet fluorescence and light scattering coupled with artificial neural networks 245
- Hirata, J.  
—, Ariese, F., Gooijer, C. and Irth, H.  
Continuous-flow protease assay based on fluorescence resonance energy transfer 1
- Howerton, S.B.  
—, Lee, C. and McGuffin, V.L.  
Additivity of statistical moments in the exponentially modified Gaussian model of chromatography 99
- Hua, L., see Yang, X. 67
- Igarashi, S., see Manaka, A. 37
- Iki, N., see Matsumiya, H. 163
- Irth, H., see Hirata, J. 1
- Ishida, T., see Matsumiya, H. 163
- Jarrell, A.E., see Grate, J.W. 85
- Jin, W., see Weng, Q. 199
- Jin, X., see Chen, H. 31
- Kato, T., see Ravi Shankaran, D. 321
- Kavouras, D., see Ochsenkühn-Petropoulou, M. 219
- Kear-Padilla, L.L., see He, L.M. 245
- Kočí, M., see Fouskaki, M. 77
- Kong, J., see Liu, B. 59
- Latva, S.  
—, Peräniemi, S. and Ahlgrén, M.  
Study of metal-loaded activated charcoals for the separation and determination of selenium species by energy dispersive X-ray fluorescence analysis 229
- Lee, C., see Howerton, S.B. 99
- Lekkas, T.D., see Stasinakis, A.S. 119
- Li, J.  
— and Peng, T.  
Response to high acidity and basicity at a platinum electrode in chronopotentiometry 336
- Li, Y., see Cheng, Z. 129
- Lieberman, S.H., see He, L.M. 245
- Liu, B.  
—, Cao, Y., Chen, D., Kong, J. and Deng, J.  
Amperometric biosensor based on a nanoporous  $\text{ZrO}_2$  matrix 59
- Liu, H., see Wu, X. 191
- Lourdes Castro Cano, M., see Cuadros-Rodríguez, L. 281
- Luypaert, J.  
—, Zhang, M.H. and Massart, D.L.  
Feasibility study for the use of near infrared spectroscopy in the qualitative and quantitative analysis of green tea, *Camellia sinensis* (L.) 303
- Ma, Y., see Chen, H. 31
- Manaka, A.  
—, Sakai, M. and Igarashi, S.  
Chemical analysis for small amounts of horseradish peroxidase using "porphyrinogen" as a chromogenic reagent 37
- Martínez-Vidal, J.L., see Cuadros-Rodríguez, L. 281
- Mary Gladis, J., see Biju, V.M. 43
- Massart, D.L., see Luypaert, J. 303
- Matsumiya, H.  
—, Ishida, T., Iki, N. and Miyano, S.  
Thiacalix[4]arenetetrasulfonate as specific pre-column chelating reagent for nickel(II) ion in kinetic differentiation mode high-performance liquid chromatography 163
- Mazzocchin, G.A.  
—, Agnoli, F. and Colpo, I.  
Investigation of roman age pigments found on pottery fragments 147
- McGuffin, V.L., see Howerton, S.B. 99
- Michalke, B., see Ochsenkühn-Petropoulou, M. 219
- Milagros Gómez, M., see Moldovan, M. 209
- Miyano, S., see Matsumiya, H. 163
- Moldovan, M.  
—, Milagros Gómez, M. and Antonia Palacios, M.  
On-line preconcentration of palladium on alumina microcolumns and determination in urban waters by inductively coupled plasma mass spectrometry 209
- Monser, L., see Adhoum, N. 53
- Mossop, K.F.  
— and Davidson, C.M.  
Comparison of original and modified BCR sequential extraction procedures for the fractionation of copper, iron, lead, manganese and zinc in soils and sediments 111
- Mostafa, G.A.E., see Abbas, M.N. 329
- Moulin, C., see Plancque, G. 11
- Moulin, V., see Plancque, G. 11
- Nicholas Shaw, P., see Zhu, X. 259
- Ochsenkühn-Petropoulou, M.  
—, Michalke, B., Kavouras, D. and Schramel, P.  
Selenium speciation analysis in a sediment using strong anion exchange and reversed phase chromatography coupled with inductively coupled plasma-mass spectrometry 219
- Parsons, J.G.  
—, Gardea-Torresdey, J.L., Tiemann, K.J. and Gamez, G.  
Investigation of trace level binding of  $\text{PtCl}_6$  and  $\text{PtCl}_4$  to alfalfa biomass (*Medicago sativa*) using Zeeman graphite furnace atomic absorption spectrometry 139
- Peng, T., see Li, J. 336
- Peräniemi, S., see Latva, S. 229

- Peters, A.J.  
—, Zhang, H. and Davison, W.  
Performance of the diffusive gradients in thin films technique for measurement of trace metals in low ionic strength freshwaters 237
- Plancque, G.  
—, Moulin, V., Toulhoat, P. and Moulin, C.  
Europium speciation by time-resolved laser-induced fluorescence 11
- Prasada Rao, T., see Biju, V.M. 43
- Qi, M.-L.  
—, Wang, P. and Wang, L.  
Validated liquid chromatography method for assay of tizanidine in drug substance and formulated products 171
- Ravi Shankaran, D.  
—, Uehara, N. and Kato, T.  
Sol-gel derived metal dispersed ceramic-graphite composite electrode for amperometric determination of dopamine 321
- Sadok, S., see Adhoum, N. 53
- Sakai, M., see Manaka, A. 37
- Schramel, P., see Ochsenkühn-Petropoulou, M. 219
- Song, Y., see Chen, H. 31
- Sotiropoulou, S., see Fouskaki, M. 77
- Souza, A.A., see Azeredo, R.B.V. 313
- Stasinakis, A.S.  
—, Thomaidis, N.S. and Lekkas, T.D.  
Speciation of chromium in wastewater and sludge by extraction with liquid anion exchanger Amberlite LA-2 and electrothermal atomic absorption spectrometry 119
- Tan, S.N., see Yang, X. 67
- Thomaidis, N.S., see Stasinakis, A.S. 119
- Tiemann, K.J., see Parsons, J.G. 139
- Toulhoat, P., see Plancque, G. 11
- Tozzi, C., see Giovannoli, C. 271
- Uehara, N., see Ravi Shankaran, D. 321
- Uglow, R.F., see Adhoum, N. 53
- Vlessidis, A.G., see Yao, D. 23
- Wang, L., see Qi, M.-L. 171
- Wang, P., see Qi, M.-L. 171
- Weng, Q.  
— and Jin, W.  
Assay of amino acids in individual human lymphocytes by capillary zone electrophoresis with electrochemical detection 199
- Wu, X.  
—, Liu, H., Liu, H., Zhang, S. and Haddad, P.R.  
Preparation and characterization of *p*-tert-butylcalix[8]arene bonded capillaries for open-tubular capillary electrochromatography 191
- Yang, X.  
—, Hua, L., Gong, H. and Tan, S.N.  
Covalent immobilization of an enzyme (glucose oxidase) onto a carbon sol-gel silicate composite surface as a biosensing platform 67
- Yao, D.  
—, Vlessidis, A.G. and Evmiridis, N.P.  
Microdialysis sampling and monitoring of uric acid in vivo by a chemiluminescence reaction and an enzyme on immobilized chitosan support membrane 23
- Zhang, H., see Peters, A.J. 237
- Zhang, M.H., see Luybaert, J. 303
- Zhang, S., see Wu, X. 191
- Zhang, Z., see Chen, H. 31
- Zhou, M., see Chen, H. 31
- Zhu, X.  
—, Nicholas Shaw, P. and Barrett, D.A.  
Catecholamines derivatized with 4-fluoro-7-nitro-2,1,3-benzoxadiazole: characterization of chemical structure and fluorescence properties 259



**VOL. 478**

**ISS. 1**

**FEB 12**

**2003**